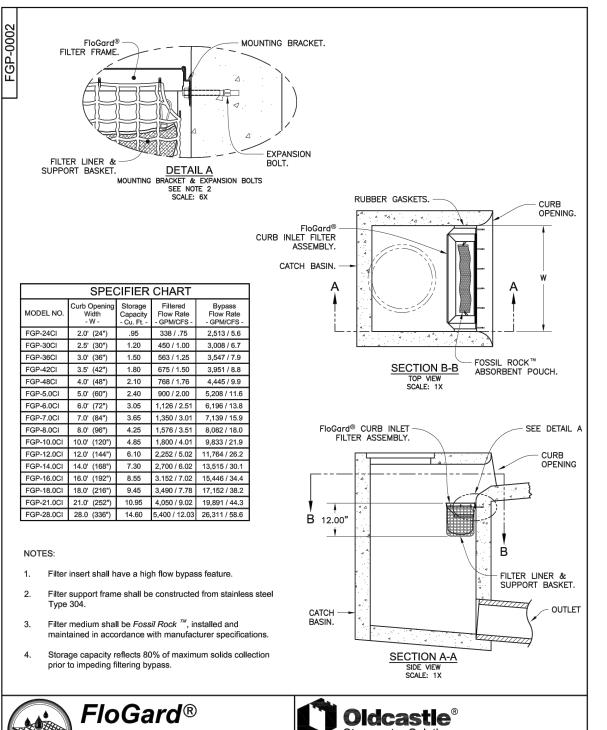


ALL STORM SEWERS ARE TO HAVE WATER QUALITY INSERTS



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PIPE BOLLARD DETAIL

NOT TO SCALE

SECTION "B" - "B"

(OR APPROVED EQUAL)

"A" Dim. "B" Dim.

6"

Existing Pavement, and Subbase if present ____

SECTION "A" - "A"

Width Varies — As required or as directed by the Engineer

16"

18"

GROUND OR PAVEMENT SURFACE

- HOLE TO BE FILLED WITH CONCRETE

Catch Basin Insert Filter

SCHEDULE 40 STEEL PIPE FILLED WITH CONCRETE AND PAINTED

HOLE FOR BOLLARD MAY BE DRILLED

- BORE PIT - Length to vary according to length of povernent bore. Width to vary according to size of pipe and boring

AFTER PAVEMENT INSTALLATION AT

CONTRACTORS OPTION.

Casing -> of Pipes
Carrier Pipe

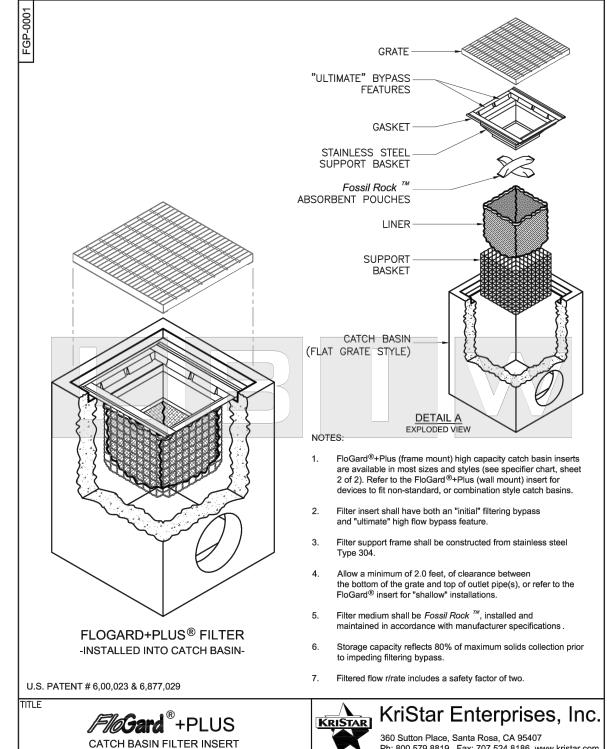
Width Varies — As required or as directed by the Engineer

Length to vary according to length of povement bore

Limits of granular Backfill

Bore Pit to be a maximum distance from edge of povement as required, or as directed by the Engineer.

Curb Inlet Style



(Flat Grated Inlet Style)

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.

The pipe to be placed in the bore hole shall be cast—iron pipe except as required on the plans.

i. If necessary or required, a skid or shoe shall be provided for the pipe bell to permit flow of grout beneath the pipe, and to prevent sagging along the pipe flowline.

Boring without casing will be permitted for small sewer lines only when subsurface cond tions are suitable and only with prior written approval of the County Engineer.

Steel casing pipe used in the installation of sewer line and conduits shall have a minimu yield strength of 35,000 p.s.i..

Reinforced clay carrier pipe shall be Class III.
 Vitrified clay carrier pipe shall be standard strength.

Poly Vinyl Chloride pipe shall meet A.S.T.M. D-3034 specifications.

12. Sewers bored without the use of casing shall be cost-iron and meet the requirements of AS.T.M. A74-69.

Grout shall meet the requirements of Part 4, Section I, #6 of "Metropolitan St. Louis Sewer District Standard Construction Specifications For Sewers And Drainage Facilities."

14. Casing pipe used in the installation shall have minimum shell thickness corresponding to the following requirements:

Carrier pipe requiring a casing pipe with an internal diameter greater than indicated above shall be approved on an individual basis by the Department.

PIPE BORING

TE: July, 2002

Cosing Pipe Internal Diameter (inches) 18.20.22 24.26 28.30.32.34 26.38.40.48

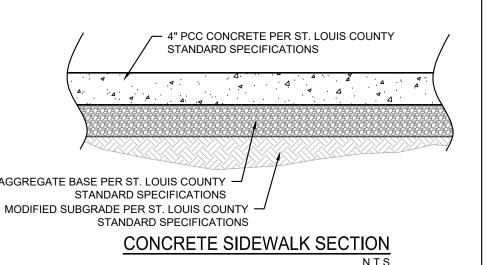
AWING NO. | REV | ECO | DATE | (OR APPROVED EQUAL) 4" AGGREGATE BASE PER ST. LOUIS COUNTY — STANDARD SPECIFICATIONS MODIFIED SUBGRADE PER ST. LOUIS COUNTY -STANDARD SPECIFICATIONS CONCRETE SIDEWALK SECTION

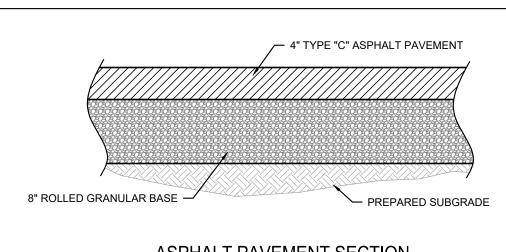
CATCH BASIN INSERT FILTER MAINTENANCE

Catch Basin Inlet Filters shall be serviced on a recurring basin to remove pollutant loading and interference from debris (leaves, vegetation, or trash). Each insert filter installation shall be serviced a minimum of three times per year with a change of filter medium pouches once per year. Timing of insert filter maintenance shall be March 1st, July 1st, and November 1st being prior to and just after the winter snow season and during the summer.

Service Procedures:

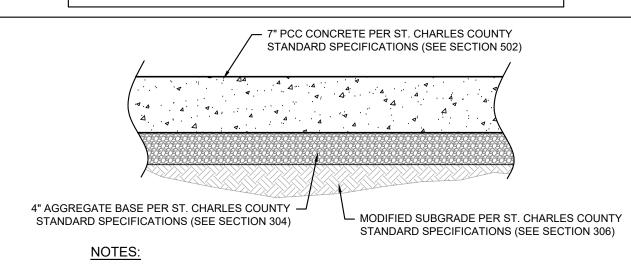
- 1. Remove catch basin top or grate and set to one side. The catch basin shall be visually inspected for defects and possible illegal dumping. If illegal dumping has occurred, the proper authorities shall be notified as soon as practicable.
- 2. Using an individual vacuum, the collected materials shall be removed from the liner. 3. When all collect material have been removed, the filter medium pouches shall be removed per the manufacture's recommendations. The filter liner, gaskets, frame, and mounting brackets shall be inspected for continued serviceability. Minor damage or defects found shall be correct on-the-spot and a notation made on the Maintenance Records. More extensive deficiencies that affect the efficiency of the filter (torn liner, etc.) shall be correct and notation made in the Maintenance Record.
- 4. The filter medium pouches shall be inspected for defects and continued serviceability and replaced as necessary, at least once per year.
- 5. The top or grate shall be replaced.
- 6. Used pouches and removed debris shall be disposed of in accordance with local, state, and federal requirements.





ASPHALT PAVEMENT SECTION

- 2" SURFACE BITUMINOUS PAVEMENT MIXTURE 7-1/2" BASE BITUMINOUS PAVEMENT MIXTURE PG. 64-22 PREPARED SUBGRADE 4" TYPE 5 AGGREGATE FULL DEPTH ASPHALT PAVEMENT SECTION



1. MODIFIED SUBGRADE AND AGGREGATE BASE TO BE COMPACTED TO A MINIMUM OF 95% OF STANDARD MAXIMUM DENSITY PER ST. CHARLES

COUNTY STANDARD SPECIFICATIONS.

2. PCC CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF

4,000 PSI (SEE CONSTRUCTION NOTE SHEET) CONCRETE TRASH ENCLOSURE PAD SECTION

18" TO EDGE OF PARKING SPACE 4" TYPE "C" ASPHALT PAVEMENT - 8" ROLLED GRANULAR BASE — PREPARED SUBGRADE 3' W. X 30" D. CONCRETE RIBBON

TRAILER PARKING SPACE CONCRETE RIBBON SECTION

— 4" TYPE "C" ASPHALT PAVEMENT PREPARED SUBGRADE 8" ROLLED GRANULAR BASE NOTES: 1. ALL ASPHALT SURFACES SHALL BE COMPACTED TO 98% MAXIMUM DENSITY ASPHALT PAVEMENT SECTION W/ TYPE "S" CONCRETE CURB

5' MAXIMUM SPACING (MADE WITH 3/4" CENTER GROOVE) EXPANSION JOINT (SEE NOTES 4 AND 5) DO NOT SCALE DRAWING. FOLLOW DIMENSIONS.

SIDEWALKS AND CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT AMERICANS WITH DISABILITIES ACT ACCESSSIBILITY GUIDELINES AND THESE DETAILS.

3. ALL SIDEWALKS SHALL BE A MINIMUM OF 4" THICK. THE THICKNESS OF THE SIDEWALK SECTIONS THROUGH ENTRANCES AND DRIVEWAYS SHALL BE INCREASED TO MATCH THE DRIVEWAY OR ENTRANCE PAVEMENT

4. EXPANSION JOINTS ARE REQUIRED BETWEEN SIDEWALK AND DRIVEWAYS, WHERE SIDEWALKS INTERSECT STREETS AND AT MAXIMUM SPACING OF 20 FEET. FOR SLIP FORMED SIDEWALK THE MAXIMUM EXPANSION JOINT SPACING IS 50 FEET.

EXPANSION JOINTS SHALL BE FULL DEPTH.

6. MAXIMUM SIDEWALK CROSS SLOPES SHALL BE 2%

7. FOR CURB RAMP DETAILS SEE ST. CHARLES COUNTY DETAILS 700.14, 700.15 AND 700.16.

SIDEWALK DETAIL

PLANNING & DEVELOPMENT DIVISION FILE NUMBER: 22-003084 SITE PLAN APPROVAL: MAY 5,2022 CONDITIONAL USE PERMIT APPROVAL: MAY 12, 2022

PROPERTY OWNER:

MW REAL ESTATE HOLDINGS LLC 1601 W. OLD RTE 66 STAFFORD MO, 65757

MICHAEL NEWELL MEINERS CIVIL ENGINEER PE-22483 ORDER NO.

SUR TE 20

MO XX:

09-30-09-30-10-18-11-07-11-03-02-07-

2022032 \mathbf{DATE} 02/07/2023

TOLL FREE -800-344-7483

JNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING AND/OR CONSTRUCTION OF IMPROVEMENTS.

I:\2022032 - TRANSLAND PROPERTY\CAD\2022032 SITE PLAN.dwg 02/07/23-9:01am